

Aero Design Ltd.**Work Order Control Sheet**Work Order#: **2017-34** Date Opened: **20 February 2017** Title: **Assembly**Aircraft OEM: Eurocopter Aircraft Model: **AS350** Product Type: **Cargo Basket** Product Model: **LH Medium** Quantity: **1****Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

JR
N/A
JR
JR
JR
JR
JR
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

JR
JR

Drawing List

Drawing #	Rev #	Description	Initial or N/A
76410	3	Basket Assembly	JR
70405	4	Lid Walkway Mod.	JR
84240	0	Lid Brace Installation	JR
84255	2	Handle Installation	JR
76427	2	Placard	JR

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

JR
JR
JR
JR
JR
JR

Work performed by:

Print: **J. Rekve**Sign: **J. Rekve**

ICC / Dual Inspection performed by:

Print: **J. CLARKE**Sign: **J. Clarke**

Work Order closed by:

Print: **J. CLARKE**Sign: **J. Clarke**

Approved Manufacturing Facility 73-04

Form 20.D.03

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

1
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

JR
N/A
JR
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

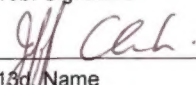
JC
N/A
N/A

SCA: AD01

Date: **24-Feb-17**SCA: **AD02**Date: **11 APR 17**SCA: **AD02**Date: **11 APR 17**

Rev. Original 23 Sep 2014

2016-164

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0134
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-34
6. Item 1.	7. Description Cargo Basket Ass'y	8. Part Number 76410-01-02	9. Qty. 1	10. Serial/Batch No. 76402-51	11. Status/Work New
12. Remarks Modified with walkway on lid and front end cutout IAW DCL704					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 11 Apr 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

JF MUGNIER



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BASKET ASSY (A5350 Mod LH) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 76410-01-02 Serial/Batch No.: TBD

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-34

Remaining Tasks to be Performed: INSPECT ✓

Signature: JH C. L.

Date: 06 APR 2017 Lic. No. / SCA A002

In Process



Aero Design Ltd.

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AMF 73-04

In Process

Remarks

INSPECTED 11 APR 2017 JC.



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: MS20001P4-9600

Aircraft: Multiple Model: Multiple

Description: Hinge

Supplier: Bisco

Color: N/A

WO#: N/A

PO# 16030



Daigle Marine Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:	1	
PN:	Tread Plate	
Aircraft:	All	Model: N/A
Description:	Lid Walkway Checker Plate	
Supplier:	Daigle Marine	
Color:	Aluminum	
WO#:	N/A	PO# 17011



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Handle Bar Assy. No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 84261 (Med) Serial No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-146

Remaining Tasks to be Performed: Instal

Signature: [Signature]

Date: Oct 31 / 2016 Lic. No. / SCA 73-04

Serviceable



Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Serviceable

Remarks

CARGO BASKET ASSEMBLY - COMMON

2017-34

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only

69810, Revision 3 – Standard Low Mounted Basket
94510, Revision 0 – Extra-Wide Low Mounted Basket
94610, Revision 0 – Extra-Wide Low Mounted Ski Basket
76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right

77610, Revision 1 – Short Basket
76410, Revision 3 – Medium Basket (left or right) ✓
78410, Revision 2 – Long Basket
94010, Revision 0 – Extra Large (ski) Basket

Robinson R44 – left or right

90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only

80210, Revision 0 – Short Basket
80310, Revision 0 – Medium Basket
81110, Revision 0 – Long Basket

Bell 429 – right or left

95911, Revision 0 – Standard Basket

Bell Medium – left or right

75111, Revision 0 – Standard Basket
95511, Revision 0 – Extra Large (ski) Basket

MD600

82811, Revision 0 – Standard Basket

Options

70405, Revision 3? – Lid Walkway

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2017-34

Date Open: 20 Feb 17

AD
73-04
01

1. Lid Assembly

- a. Install lid bumpers on bottom.
 - i. Fill bumper holes with RTV silicone sealant.
 - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
 - i. Locate placard on bracket.
 - ii. Drill #30 through placard and bracket, using holes in placard.
 - iii. Remove placard and de-burr holes in placard and on bracket.
 - iv. Locate placard on bracket, and cleco in place.
 - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
 - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
 - ii. Pull tread plate from stock. Shear tread plate to length.
 - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
 - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
 - v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
 - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
 - vii. De-burr holes in lid tubes.
 - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
 - ix. Set tread plate in place, secure with decos if necessary.
 - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

2. Body Assembly

- a. Install attachment fittings
 - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
 - ii. Run 3/8-24 tap into attachment lugs to clear threads.
 - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
 - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 906?? in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
 - v. Torque to ??

AD
73-04
01

- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
 - i. Locate 94621-01 Brace over aft cross tube cutout
 - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
 - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

AD
1001

3. Hinge Installation

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 784 – 90"
 - 5. 940, 946, 959 – 95"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

- d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to ??.

b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with ??. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to ??.

c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

- d. Record PO/WO of all parts used in steps above on attached material tracking list.

5. Install lid brace

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

AD
73-04
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AD
73-04
01

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

6. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
 - i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

AD
73-04
02

Work Order: 2017-34Date Opened: 20 Feb 2017Material Tracking Sheet
Eurocopter AS350 / AS355
Medium Basket Assembly

1 of 2

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	<u>1</u>		76410-01-	Cargo Basket Assembly	(-01 RH, -02 LH)	
Step 1				<i>Lid Assembly</i>		<u>2016-164</u>
	<u>1</u>		69812-01	Basket Lid Assembly		
Step 1.a.	<u>3</u>		49205-14	Bumper	Argus Industries Bumper	
	<u>A/R</u>		--	Sealant	Commercial Silicone RTV sealant	
Step 1.b.	<u>1</u>		76427-01	Placard (right)	0.063 Sheet, 6061-T6 Aluminum	<u>N/A</u>
	<u>1</u>		76427-02	Placard (left)	0.063 Sheet, 6061-T6 Aluminum	<u>2015-03</u>
	<u>4</u>		CR3213-4-02	Cherry Rivet		<u>16053</u>
Step 1.c.	<u>1</u>		70405-01	Lid Step Modification		
(option)	<u>1</u>		70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	<u>17011</u>
	<u>A/R</u>		CR3213-4-02	Cherry Rivet		<u>16053</u>
	<u>A/R</u>		--	Sealant	Commercial Silicone RTV sealant	<u>16053 DB</u>
Step 2				<i>Basket Assembly</i>		
Step 2.a.	<u>1</u>		76411-01-XX	Basket Body Assembly		<u>2016-165</u>
	<u>4</u>		96710-01	Fitting	Alternate: Ancra 40088-14	<u>15075</u>
	<u>8</u>		NAS1149F0663P	Washer		<u>16042</u>
Step 3				<i>Hinge Installation</i>		
	<u>1</u>		MS20001P4	Piano Hinge	72"	<u>16030</u>
	<u>8</u>		CR3523-5-02	Cherry Rivet		<u>16063</u>
	<u>A/R</u>		CR3213-5-02	Cherry Rivet		<u>16053</u>
Step 4	<u>1</u>		84255-01	<i>Handle Installation</i>		
Step 4.a.	<u>2</u>		84267-01	Bracket	Delrin, 3/4" Sheet	<u>2016-37</u>
	<u>4</u>		AN3-11A	Bolt		<u>14068</u>
	<u>8</u>		NAS1149F0363P	Washer		<u>16042</u>
	<u>4</u>		MS21044N3	Nut		<u>16080</u>

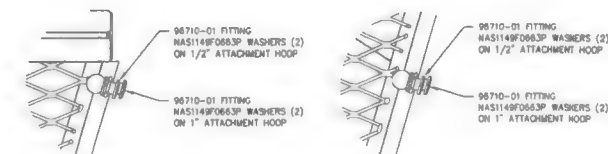
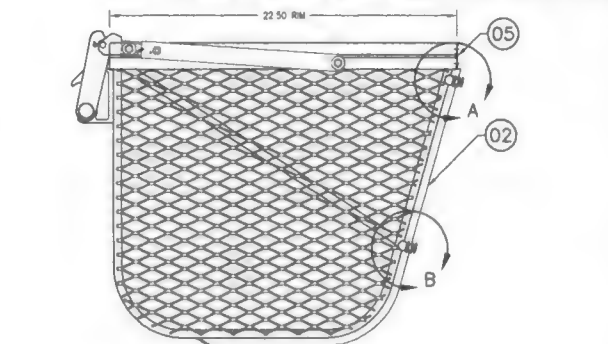
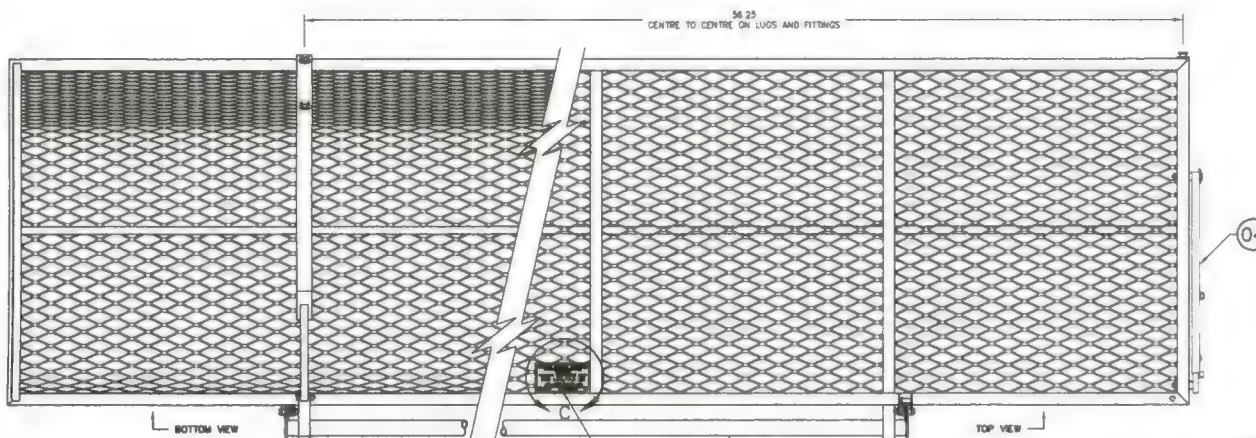
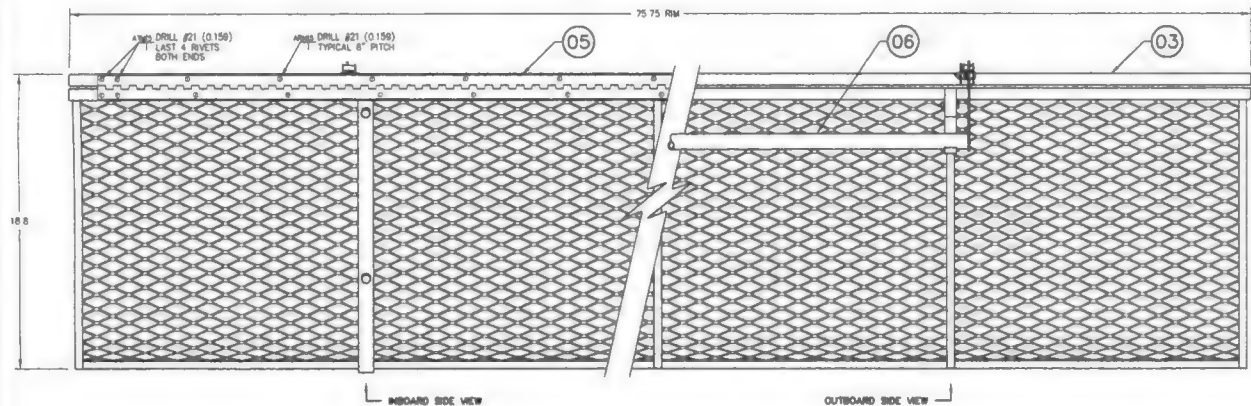
Work Order: 2017-34Date Opened: 20 Feb 2017Material Tracking Sheet
Eurocopter AS350 / AS355
Medium Basket Assembly

2 of 2

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
Step 4.b.	.. 1		84261-01	Handle Assembly		2016-146
	.. 2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	15071
	.. 2		36275-01	Bushing	Brass, 5/16" Dia	2016-132
	.. 2		AN3-12A	Bolt		15031
	.. 4		NAS1149F0363P	Washer		16042
	.. 2		MS21044N3	Nut		16080
Step 5				Lid Brace Installation		
	. 1		36280-01	Brace Assembly		2017-38
	. 1		AN3-15A	Bolt		14684
	. 1		AN3-17A	Bolt		13084
	. 2		AN970-3	Washer		15014
	. 3		NAS1149F0363P	Washer		16042
	. 2		MS21044N3	Nut		16080
Step 6				Inspection	None	

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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	RR	14 JAN 08
1	ADDED LH ASSEMBLY	RR	05 MAR 09
2	CHANGED HANDLE CONFIGURATION	BUC	27 JAN 10
3	UPDATE TITLE BLOCK, ADD ALTERNATE RIVETS, HARDWARE P/N'S UPDATED, CHANGE BRACE ASSEMBLY TO INSTALLATION	BUC	10/07/2014

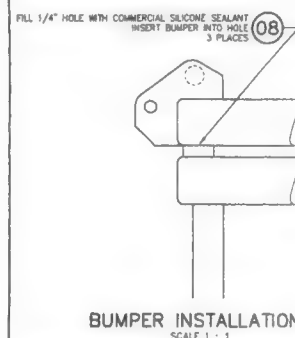


DETAIL A
SCALE 1 : 2
TYPICAL FRONT AND REAR

DETAIL B
SCALE 1 : 2
TYPICAL FRONT AND REAR

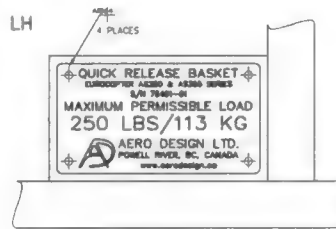
NOTE:
1 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS SHEETS.

A/R	A/R	NAS5149C0633P	WASHER				
4	4	98710-01	PITTING	ALTERNATE ANORA 40068-14			
8	8	CR3523-5-02	CHERRY RIVET	ALTERNATE HUCKMAX MR3523-5-02			
A/R	A/R	CR3213-5-02	CHERRY RIVET	ALTERNATE HUCKMAX MR3213-5-02			
4	4	CR313-4-02	CHERRY RIVET	ALTERNATE HUCKMAX MR3213-4-02			
3	3	42225-14	08 BUMPER	ARQUS INDUSTRIES			
1	1	78427-02	07 PLACARD				
1	1	78427-01	07 PLACARD				
1	1	84235-01	06 HINGE/BRACE INSTALLATION				
1	1	MS20001P4	05 PIANO HINGE				72 D. LONG
1	1	84240-01	04 LID BRACE INSTALLATION				
1	1	60812-01	03 BASKET LID ASSEMBLY				
1	1	78411-01-02	02 BASKET BODY ASSEMBLY (LH)				
1	1	78411-01-01	02 BASKET BODY ASSEMBLY (RH)				
1	1	78410-01-02	01-02 CARGO BASKET ASSEMBLY - LH				
1	1	78410-01-01	01-01 CARGO BASKET ASSEMBLY - RH				
QTY	QTY	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
					LIST OF MATERIALS		



784 10 -01-01 CARGO BASKET ASSEMBLY - RH
SHOWN

784 10 -01-02 CARGO BASKET ASSEMBLY - LH
OPPOSITE



DETAIL C
SCALE 1 : 1
LOOKING AT PLACARD BRACKET

BASIC CODE	DASH NO. FOR DIAMETER	APPROVALS	DATE
REF NAS 523	10=MF/D HEAD REAR SIDE F=MF/D HEAD FAR SIDE	DRAWN R RATHWELL	14 JAN 08
C=COUNTERSINK D=DIMPLE DIGIT=8 OF SHEETS TO BE DIMPLED	DASH NO. FOR LENGTH	CHECKED E BURGON	
B/L=MS20470AD BB=MS20426AD ARN=CR3213 ATN=CR3223	+ INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS ANGLES X XXX ±0.010 ±1/2° X XX ±0.03 X X ±0.1	
AERO DESIGN LTD. 8888A MALASPINA ROAD POWELL RIVER, BC, CANADA V8A 0G3 TEL: 804-483-8378 www.aerodesign.ca			
EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET CARGO BASKET ASSEMBLY (MEDIUM)			
SCALE 1 : 4	DWG SIZE	DWG NO	REV
SHEET 1 OF 1	A1	76410	3

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	INCREASE LOAD TO 250 LBS / 113 KG, ADD LEFT PLACARD (02)	BJC	JAN 27/10
2	UPDATE TITLE BLOCK; UPDATE ADDRESS AND LOGO; MAT'L THICKNESS CHANGED	BJC	10/07/2014

NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:
"QUICK RELEASE BASKET" - 0.125 HIGH
"EUROCOPTER AS350 & AS355 SERIES" - 0.080 HIGH
"S/N 76401-XX" - 0.080 HIGH
"MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
"250 LBS/113 KG" - 0.200 HIGH
"AERO DESIGN LTD." - 0.125 HIGH
"POWELL RIVER, BC, CANADA" - 0.080 HIGH
"www.aerodesign.ca" - 0.080 HIGH

- ON 76427-02: S/N IS 76402-XX.

DRILL #30 (0.129)
4 PLACES




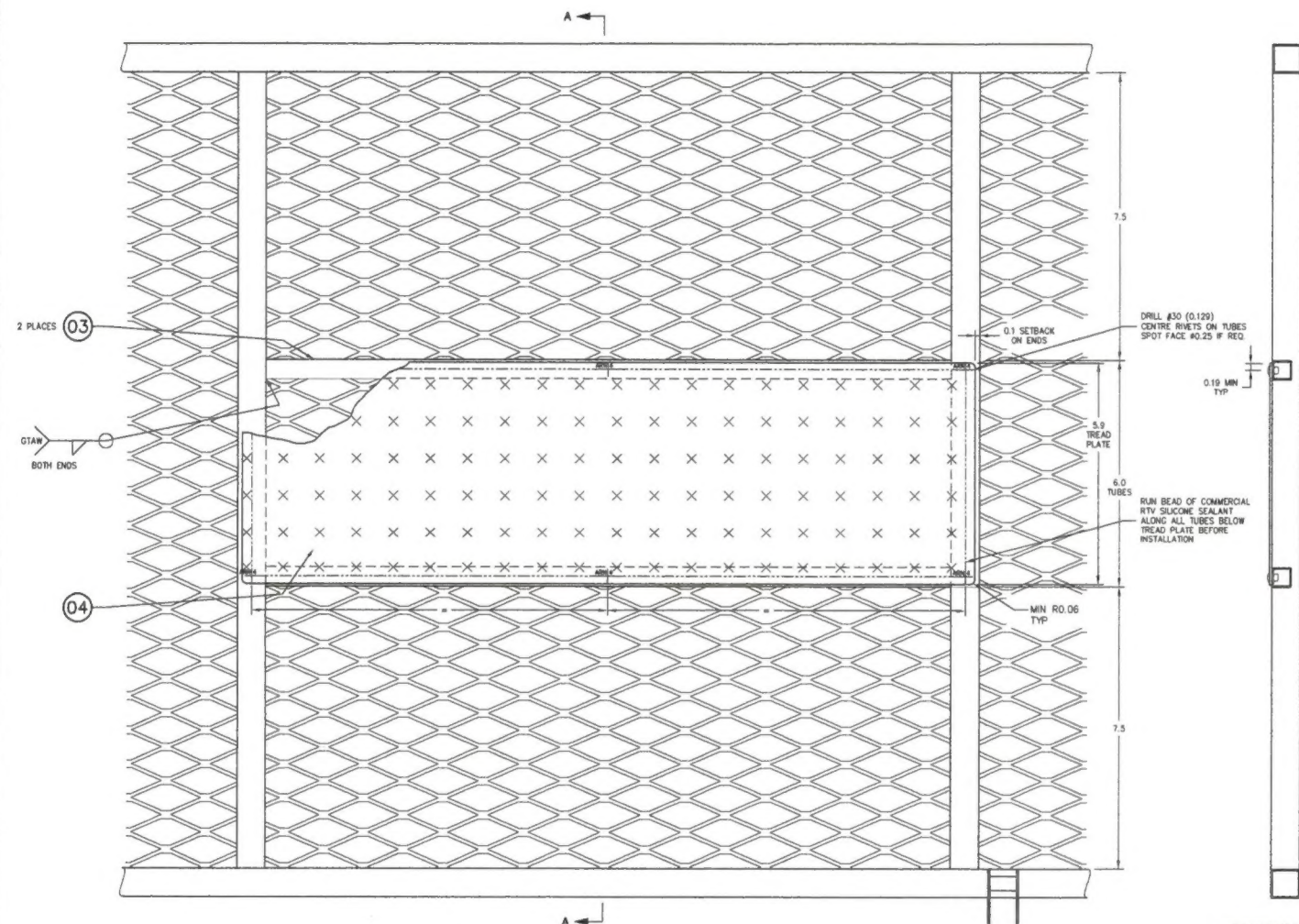
01 PLACARD

02 PLACARD

76427-02	02	PLACARD (LH)	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
76427-01	01	PLACARD (RH)	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

LIST OF MATERIALS

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.	APPROVALS DRAWN: R. RATHWELL CHECKED: E. BURGOIN	DATE 18 FEB 08	 AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2376 www.aerodesign.ca	EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET PLACARD			
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			SCALE 1 : 1 SHEET 1 OF 1	DWG. SIZE A4	DWG. NO. 76427	REV. 2
	DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1						



01 BASKET LID ASSEMBLY





SECTION A-A

NOT DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.			
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
1	ADD BELL MEDIUM AND EUROCOPTER AS350 BASKETS, CHANGE TUBES	BJC	NAR 19/08
2	ADD EUROCOPTER EC135, MCDONNELL DOUGLAS MD800N, BELL 206B BASKETS	BJC	DEC 4/08
3	ADD NEW AS350 AND 206L/407 MODELS	BJC	DEC 4/08
4	TITLE BLOCK UPDATED; MODEL LIST REMOVED; ADD ALT. RIVET; ADD NOTE 7	BJC	29/05/2014

NOTES:

1. THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
2. TUBES (ITEM 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
3. REMOVE ALL BURRS AND BREAK SHARP EDGES.
4. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2885C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
5. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
6. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
7. WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

A/R	CR3213-4-02	BLIND RIVET	ALTERNATE: HR3213-4-02			
1	70405-04	04 TREAD PLATE	ALUMINUM	COMMERCIAL	0.063 TREAD PLATE	
2	70405-03	03 TUBE	4130 STEEL COND. N	MIL-T-6756	0.5 X 0.035 WALL TUBE	
1	SEE NOTE 1	02 BASKET LID ASSEMBLY				
	70405-01	01 BASKET LID ASSEMBLY - MODIFIED WITH STEP				
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
LIST OF MATERIALS						

BASIC CODE REF. NAS 523		DASH NO. FOR DIAMETER N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE		APPROVALS DRAWN: JEFF CLARKE CHECKED: E. BURGIN		DATE 21 SEPT 2008		 <p>AERO DESIGN LTD. 8080A MALASPINA ROAD POWELL RIVER, BC, CANADA V9A 0G3 TEL. 604.685.3375 www.aerodesign.ca</p>	
C=COUNTERSUNK D=DIMPLE DIGIT=# OF SHEETS TO BE DIMPLED		DASH NO. FOR LENGTH		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		<p>CARGO BASKET LID STEP MODIFICATION</p>			
BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ARM=CR3212		 INSTALL NEW RIVET  REMOVE/REPLACE RIVET  EXISTING RIVET							
				SCALE 1 : 1.5		DWG. NO.		REV.	
				SHEET 1 OF 1		A1		70405 4	

AERO DESIGN LTD.
8888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.683.2376
www.aerodesign.ca

CARGO BASKET
LID STEP MODIFICATION

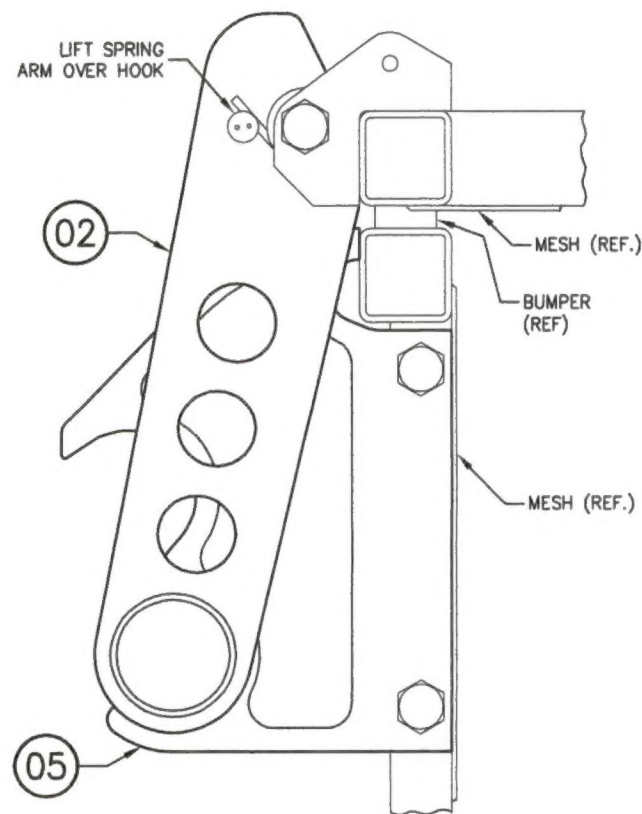
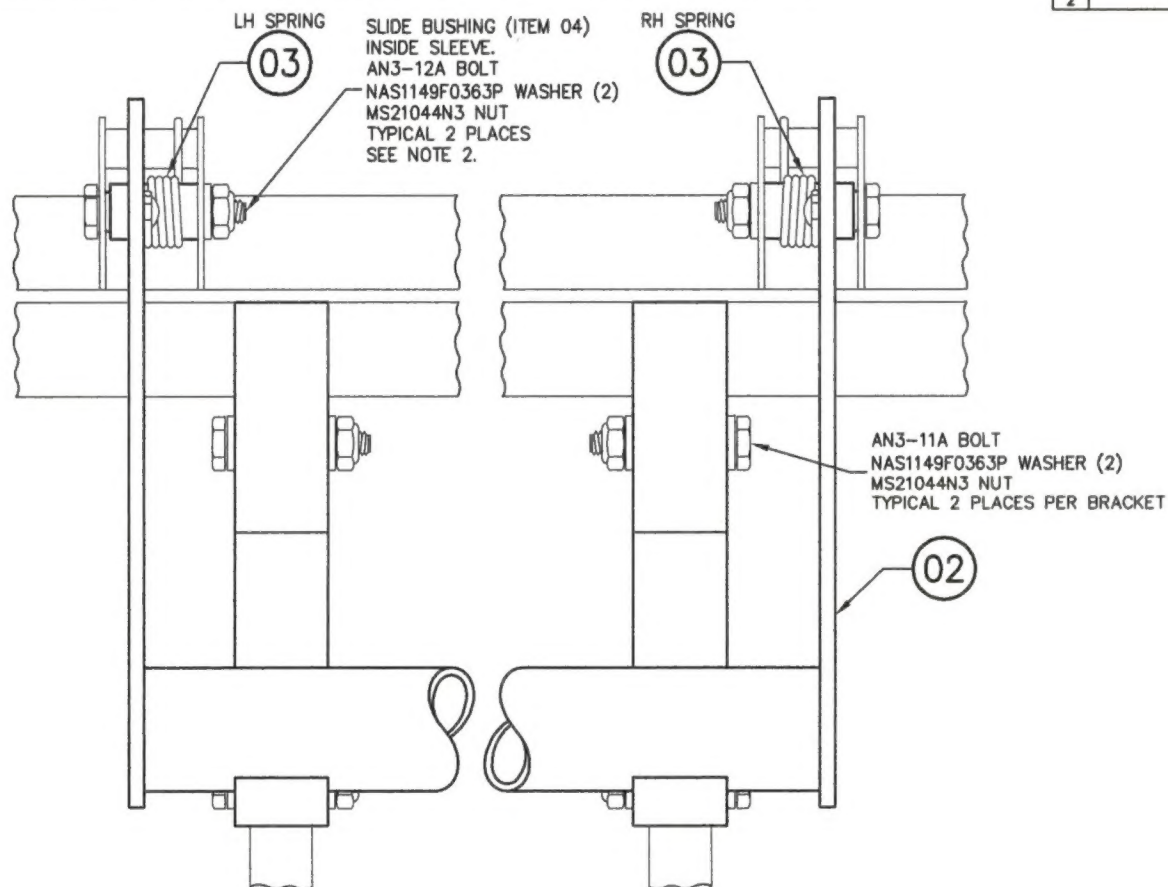
SCALE	DWG. SIZE	DWG. NO.	REV.
1 : 1.5	A1	70405	4
SHEET 1 OF 1			

NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14



01 HANDLE INSTALLATION

A/R	MOBILGREASE 28		GREASE	MIL-PRF-81322F
4	AN3-11A		BOLT	
2	AN3-12A		BOLT	
10	NAS1149F0363P		WASHER	
6	MS21044N3		NUT	
2	84267-01	05	BRACKET	
2	36275-01	04	BUSHING	
2	36278-01	03	SPRING (1 LH, 1 RH)	
1	84261-01	02	HANDLE BAR ASSEMBLY	
	84255-01	01	HANDLE INSTALLATION	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

APPROVALS	DATE
DRAWN: JEFF CLARKE	03 NOV 2009
CHECKED: E. BURGAIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1



AERO DESIGN LTD.

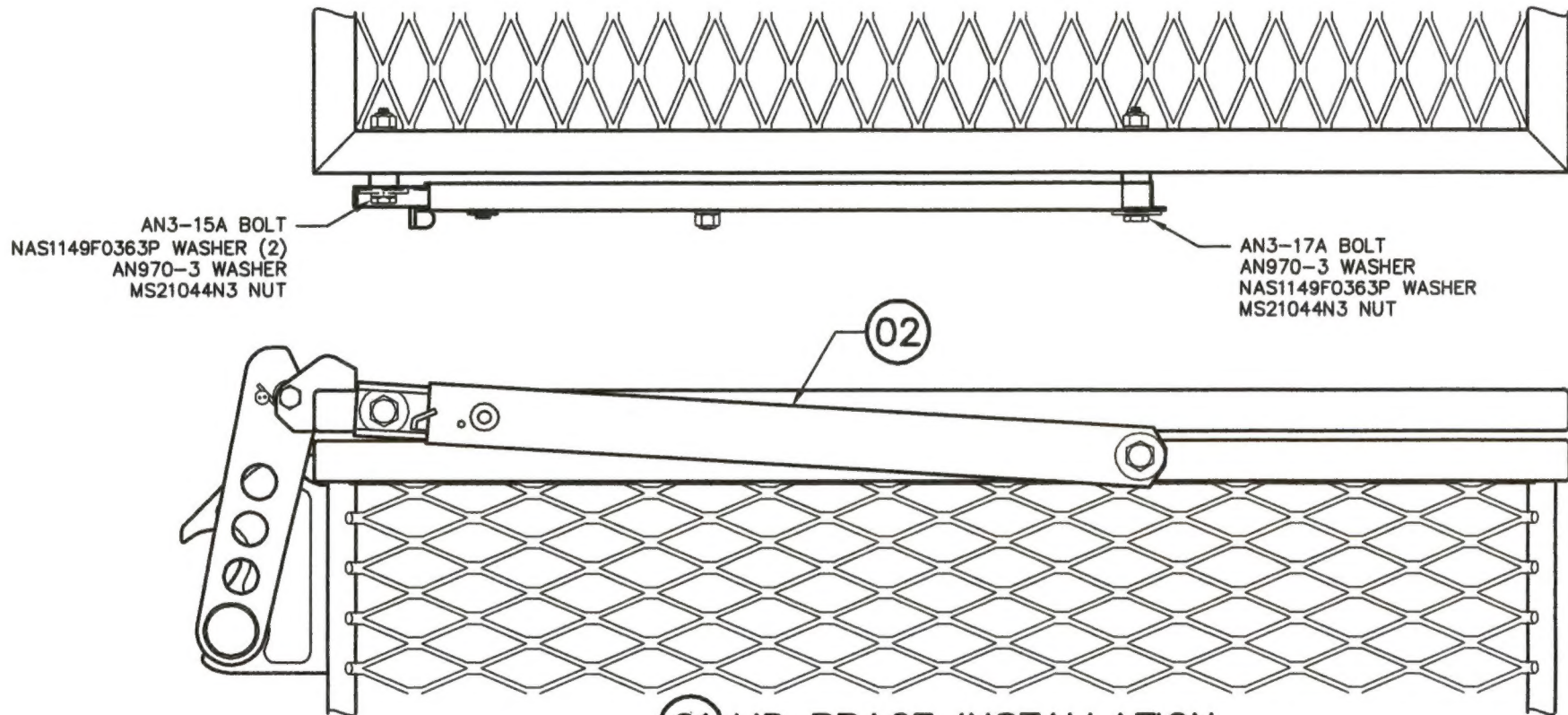
9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.683.5376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
HANDLE BAR INSTALLATION**

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84255	2

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



01 LID BRACE INSTALLATION

NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ± 0.010 $\pm 1/2^\circ$
X.XX ± 0.03
X.X ± 0.1



AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.488.2376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
ALL MODELS
LID BRACE INSTALLATION**

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	84240	0

CHERRY[®] AEROSPACE
SPS Fastener Division, a PCC Company
 1224 E. Warner Ave. Box 2157
 Santa Ana, CA 92707-0157

ACCEPT NO SUBSTITUTES[®]
FSCM 11815 CHERRYMAX[®]

01/22/14 - MM

Part Number
CR3213-4-02
 CR3213PR-4-02

FAA-TSO-C148
 FAA-TSO-C148

Lot Number
87905941

Hole Size
 .129-.132

Grip Range
 .063-.125

**ALSO IN FULL COMPLIANCE WITH THE FOLLOWING
 NON-TSO PART NUMBER(S)**

S2906-4-2	NAS9301BNS-4-02
NAS9301B-4-02	MBBN3012L3202
M7885/2-4-02	CAN43078B4-2
B0207005-4-02	ASNA0078A402
132269A402	

QTY: 100

CHERRY[®] AEROSPACE
SPS Fastener Division, a PCC Company
 1224 E. Warner Ave. Box 2157
 Santa Ana, CA 92707-0157

ACCEPT NO SUBSTITUTES[®]
FSCM 11815 CHERRYMAX[®]

06/25/15 - IR

Part Number
CR3523PR-5-02
 CR3523-5-02

FAA-TSO-C148
 FAA-TSO-C148

Lot Number
88080496

Hole Size
 .160-.164

Grip Range
 .063-.125

**ALSO IN FULL COMPLIANCE WITH THE FOLLOWING
 NON-TSO PART NUMBER(S)**

132269B502	NAS9307M-5-02
MBBN3012M4002	M7885/4-5-02
CAN43078M5-2	B0207005M5-02
ASNA0078E502	

QTY: 100

Aero Design Ltd.
 9888 A Malaspina Rd., Powell
 V8A 0G3, 604-483-AERO (2376)

Quantity: 100

PN: CR3523-5-02

Aircraft: Multiple

Description: Rivet

Supplier: Bisco

Color: N/A

WO#: N/A

Model: N

PO#